



### Disclosure to Promote the Right To Information

Whereas the Parliament of India has set out to provide a practical regime of right to information for citizens to secure access to information under the control of public authorities, in order to promote transparency and accountability in the working of every public authority, and whereas the attached publication of the Bureau of Indian Standards is of particular interest to the public, particularly disadvantaged communities and those engaged in the pursuit of education and knowledge, the attached public safety standard is made available to promote the timely dissemination of this information in an accurate manner to the public.

“जानने का अधिकार, जीने का अधिकार”

Mazdoor Kisan Shakti Sangathan

“The Right to Information, The Right to Live”

“पुराने को छोड़ नये के तरफ”

Jawaharlal Nehru

“Step Out From the Old to the New”

IS 6374 (1971): Hexagonal box wrenches (spanners) [PGD 5:  
Assembly Hand Tools]

“ज्ञान से एक नये भारत का निर्माण”

Satyanaaranay Gangaram Pitroda

“Invent a New India Using Knowledge”



“ज्ञान एक ऐसा खजाना है जो कभी चुराया नहीं जा सकता है”

Bhartṛhari—Nītiśatakam

“Knowledge is such a treasure which cannot be stolen”





BLANK PAGE

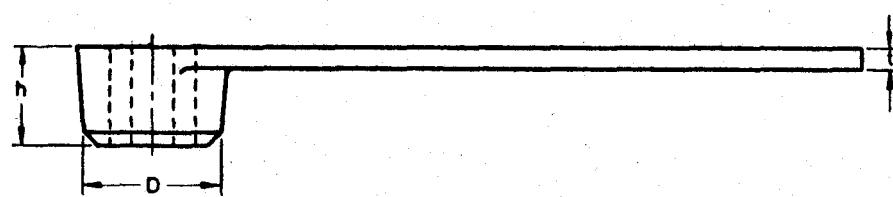
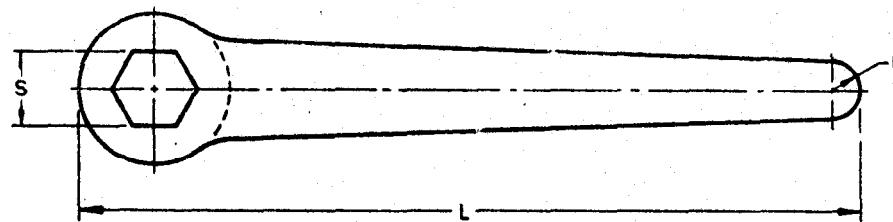


PROTECTED BY COPYRIGHT



*Indian Standard*  
**SPECIFICATION FOR**  
**HEXAGONAL BOX WRENCHES ( SPANNERS )**

**1. Scope** — Lays down dimensions and requirements for hexagonal box wrenches ( spanners ).  
**2. Dimensions**



All dimensions in millimetres.

Normal Width Across Flats S	D Min	h Min	t Min	r Approx	L Approx
5.5	13	9	3	3	95
(6)*	12	10	3	3	95
7	13	10	3	3	95
8	14	12	3	4	120
10	19	15	4	4	130
11	22	17	4	5	140
13	24	18	4	5	150
14	26	20	4	6	165
17	30.5	24	4	6	185
19	35	25	5	7	195
22	37	28	5	8	230
24	41	32	6	10	250
27	46	38	6	10	270
30	51	40	6	12	305
32	54	45	7	12	325
36	60	50	7	12	350
41	65	54	8	15	380
46	76	62	8	15	420
50	83	68	10	16	440
55	90	74	10	16	475
60	99	78	10	18	500

\*Non-preferred.

**2.1 Tolerances on Width Across Flats** — As specified for forged and subsequently machined spanners in IS : 2027-1967 'Widths across flats for spanners (first revision)'.

**3. Material** — Suitable alloyed and unalloyed steels which fulfil the requirements laid down in 4.

*Suitable Example:*

21Cr1Mo28 and 50Cr1V23 of IS : 1570-1961 'Schedules for wrought steels for general engineering purposes'.

**4. Hardness, Workmanship and Finish, Preservation and Packing, Tests and Sampling** — According to IS : 6131-1971 'Technical requirements for hand operated wrenches (spanners) and sockets'. The torque test shall conform to Series A of IS : 6131-1971.

**5. Designation** — A hexagonal box wrench of width across flat of 30 mm shall be designated as:

Wrench 30, IS : 6374

**6. Marking** — Each wrench shall be marked with the nominal width across flats and the manufacturer's name, initial or recognized trade-mark.

**6.1 ISI Certification Marking** — Details available with the Indian Standards Institution.

#### EXPLANATORY NOTE

While preparing this standard, assistance has been derived from CSN 230630-1963 'Zavrene klice na sestihrany (Closed-end spanners for hexagons)' issued by Urad Pro Normalizaci a merini.